

DX-6800/3800

Compact Disc Player

Compact Disc-Spieler

Lecteur de disque audionumérique

Reproductor de disxos compactos

Compact Disc Speler

CD-spelare

Riproduttore di dischi compatti

	Page
Instruction Manual	2
Bedienungsanleitung	14
Manuel d'instructions	26
Manual de instrucciones	38
Gebruiksaanwijzing	50
Bruksanvisning	62
Istruzioni per l'uso	74

SPECIAL CAUTIONS FOR COMPACT DISC PLAYER

This Compact Disc Player contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Owner's Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

BESONDERE VORSICHTSMASSNAHMEN FÜR CD-SPIELER

Dieser CD-Spieler enthält ein Halbleiterlasersystem und ist daher ein "LASERERZEUGNIS DER KLASSE 1". Richtige Bedienung ist erst nach Durchlesen der Bedienungsanleitung möglich. Nehmen Sie im Falle einer Störung Kontakt auf mit Ihrem Vertragshändler. Um Bestrahlung zu vermeiden, sollten Sie das Gehäuse niemals öffnen.

MISE EN GARDE PARTICULIERE POUR LES LECTEURS DE DISQUE AUDIONUMERIQUE

Ce lecteur de disque audionumérique contient un laser et est classé dans la rubrique 1 des produits faisant appel à cette technique. Lire ce manuel d'instructions avec soin afin d'employer cet appareil correctement. En cas de défaut de fonctionnement prendre contact avec le magasin où l'appareil a été acheté. Afin d'éviter l'exposition au faisceau laser, ne pas tenter d'ouvrir l'appareil.

PRECAUCIONES ESPECIALES PARA REPRODUCTORES DE DISCOS COMPACTOS

Este Tocariscos CD Audiodigital contiene un sistema de láser y está clasificado como un "PRODUCTO DE LASER DE PRIMERA CLASE". Para utilizar este modelo correctamente, sírvase leer con atención este manual y guárdelo para futuras referencias. En caso de cualquier problema póngase en contacto con la tienda donde compró su unidad. No abra la caja para evitar que quede expuesto al haz de láser.

BIJZONDERE VOORZORGSMAATREGELEN VOOR CD-SPELERS

Dit apparaat is een klasse 1 laserproduct, voorzien van lasereenheid. Maak dit apparaat niet open om directe blootstelling aan laserstralen te voorkomen! Schakel voor service uw ONKYO dealer in! Neem voor service contact op met de handelaar van wie u het apparaat hebt gekocht.

SPECIELLA FÖRSIKTIGHETSÅTGÄRDER FÖR CD-SPELARE

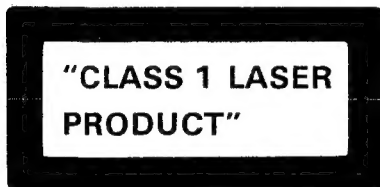
Denna CD-spelare innehåller lasersystem och har klassificerats "klass 1 laserprodukt". Läs därför noggrant igenom bruksanvisningen för rätt användning av apparaten. Behåll också anvisningen för framtida bruk. Kontakta alltid den affär, där du köpte CD-spelaren, vid eventuella fel på apparaten. Apparatenes hölje får inte öppnas vid risk för direkt blottställelse av laserstrålen.

SÆRLIG ADVARSEL MED HENSYN TIL COMPACT DISC AFSPILLER

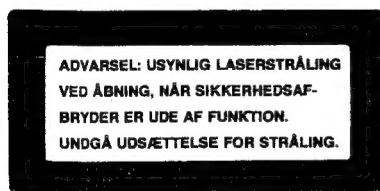
Denne Compact Disc Player indeholder et laser system og er klassificeret som "klasse 1 laser produkt". Læs derfor brugsanvisningen grundigt og opbevar den som opslagsbog i fremtiden. Hvis der opstår problemer med anlægget, kontakter den forretning hvor apparaten indikøbtes. Prøv ikke at åbne afskaermningen; De kunne blive udsat til direkte laser-stråling.

AVVERTENZE SPECIALI SUI RIPRODUTTORI DI DISCHI COMPATTI

Questo riproduttore di dischi compatti contiene un sistema laser a semiconduttori ed è classificato come "PRODOTTO LASER DI 1° CLASSE". Pertanto, si prega di leggere attentamente questo manuale di istruzioni per un uso corretto dell'apparecchio. In caso di problemi, si prega di rivolgersi all'esercizio commerciale in cui l'apparecchio è stato acquistato. Per evitare pericolose esposizioni al raggio laser, non aprire il rivestimento.



Denna mærkning er anbragt på apparatets højre side og indikerer, at apparatet arbejder med laserstråler af klasse 1, hvilket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utilsladelig kraftig stråling.



APPARATET BØR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER!

Indvendigt i apparatet er anbragt den her gengivne advarselmærkning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsætte sig for laserstråling.

VAROITUS!

Suojakotelo ei saa avata. Laite sisältää laseriodin, joka lahettaa (nakymatonta) simille vaarallista lasersateilya.

- This apparatus complies with requirements of EC directive 87/308/EEC.
- Das Gerät entspricht den Bestimmungen der EG-Direktive 87/308/EWG.
- Cet appareil répond aux spécifications de la directive CE/87/308/CEE.
- Este aparato satisface los requisitos de las directrices de la CE/87/308/CEE.
- Dit apparaat voldoet aan EG-richtlijn 87/308/EEG.
- Denna apparat uppfyller kraven i EG-direktivet 87/308.
- Apparatet opfylder kraven i EF direktivet 87/308/EF.
- Questo apparecchio è conforme ai requisiti della direttiva CE 87/308/CEE.

• *Congratulations on your purchase of the ONKYO DX-6800/3800 CD Player.* • *Please read this manual thoroughly before making connections and turning power on.* • *Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new DX-6800/3800.* • *Please retain this manual for future reference.*

CONTENTS

Features	2
Important safeguards.....	2
Precautions.....	3
Before using this unit.....	4
System connections	5
Control positions and names	5
Common modes of operation.....	7
Using the Memory function.....	9
Special modes of operation.....	11
Troubleshooting guide.....	13
Specifications	13

Features

• ONKYO 1-Bit D/A Converters and AccuPulse Quartz System

Instead of the "multi-bit" D/A converters employed in many CD players, the DX-6800 (DX-3800) uses an innovative "1-bit" system. It does away with the ladder network required by conventional "high bit" converters and, therefore needs none of the delicate "trimming" which such networks require to achieve even adequate linearity. The operating principle of the 1-bit system assures far better linearity than conventional D/A converters can ever achieve.

But to bring out the full sonic potential of the 1-bit system, the clock oscillator must be absolutely stable and extremely accurate. To achieve this, ONKYO's AccuPulse Quartz System uses a unique bar-shaped quartz oscillating element which is smaller than in competing designs. It is mounted on a specially designed holder made of a vibration damping rubber developed by ONKYO. These help to suppress vibrations and account for a major improvement in the characteristics of the oscillator's output waveform compared with conventional units.

• Diecast Aluminum Disc Tray

The disc tray is diecast from high-purity aluminum. This material is ideally suited to the dispersion of vibrations. In addition, the tray is cast extra-thick to further enhance vibration damping effectiveness and stability. It's smooth operation is free of jerks and shocks which could detract from the CD player's sonic performance.

• Eight-Times oversampling digital filter

• Discrete AEI* power transformers for digital and analog stages reduce distortion-causing flux leakage and eliminate interference via a common power supply (DX-6800 only)

• Heavy duty power supply for more sonic depth without boominess

• Newly developed linear motor actuator for faster access and better pickup precision

• Peak search function facilitates making recordings to cassette tape

• 20-track random music calendar

• Optical digital output

• Opto-Coupling (DX-6800 only)

Important safeguards

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."



- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."



- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



ATTENTION FOR BRITISH MODEL:

- Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.
- **IMPORTANT:** The wires in the mains lead are coloured in accordance with the following code:
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this unit may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

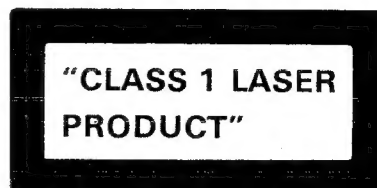
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

- Cleaning of the internal parts should be performed only by qualified service personnel.
- **Damage Requiring Service** – The unit should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped or the enclosure damaged.
- **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

SPECIAL CAUTIONS FOR COMPACT DISC PLAYER

THIS PRODUCT UTILIZES A LASER. USER OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



This label on the rear panel states that:

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

Precautions**1. Warranty Card**

The serial number is written on the rear panel of this unit. Copy the serial number and model number onto your warranty card and keep it in a safe place.

2. Power**WARNING**

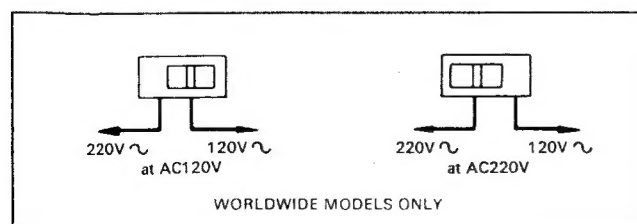
BEFORE TURNING ON POWER FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

- Some models are designed for use only with the power supply voltage of the region where they are sold.
U.K. and Australian Models: AC 240V, 50Hz
European model: AC 220V, 50Hz (except U.K.)
USA & Canadian models: AC120V, 60Hz
Worldwide model: AC 120V and 220 V switchable, 50/60Hz

• Voltage Selector (Rear Panel)

Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on.

Voltage is changed by sliding the groove in the switch with a screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before turning the power switch on. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.

**3. Do Not Touch the Player with Wet Hands**

Do not handle the player or power cord when your hands are wet or damp. If water or any other liquid enters the player cabinet, take the player to an authorized service station for inspection.

4. Location of the Player

- **Place the Player in a Well-Ventilated Location.**
Take special care to provide plenty of ventilation on all sides of the player especially when it is placed in an audio rack. If ventilation is blocked, the player may overheat and malfunction.
- **Do not expose the player to direct sunlight or heating units** as the player's internal temperature may rise and shorten the life of the pickup.
- **Avoid damp and dusty places and places directly affected by vibrations from the speakers.** In particular, avoid placing the unit on or above one of the speakers.
- **Be sure the player is placed in a horizontal position.** Never place it on its side or on a slanted surface as it may malfunction.
- **Do Not Place Near Tuners and TV Sets.**
If placed next to a TV or other tuner, it may cause reception interference resulting in some noise in the TV or tuner output.

5. Care

From time to time you should wipe off the front and rear panels and the cabinet with a silicon or other soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe away the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering.

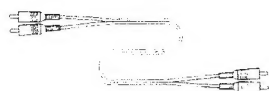
6. Points to Remember

- If the player is brought from a cold environment to a warm one or is in a cold room that is quickly heated, dew may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power ON for about one hour to remove the dew.
- Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust.
- When transporting the player, be careful not to bump it.

Before using this unit

1. Supplied accessories

Output signal cord × 1



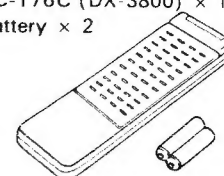
Optical fiber cable × 1



RI remote control cable × 1



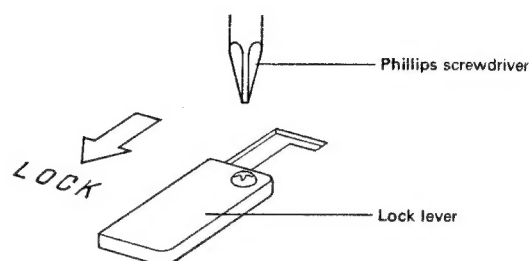
Remote control transmitter
RC-177C (DX-6800) × 1
RC-176C (DX-3800) × 1
Battery × 2



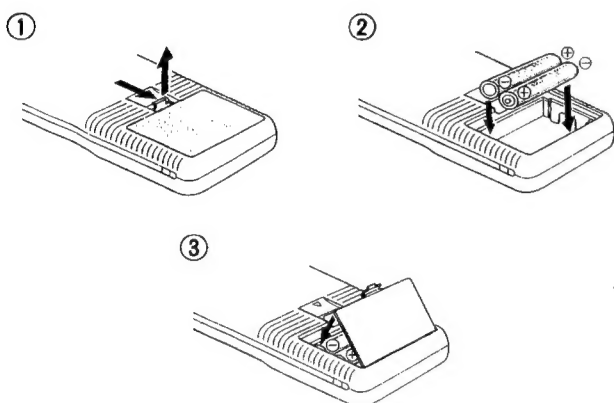
2. How to Release the Transport Lock

To protect the optical assembly including the laser pickup from vibration related damage during shipping, this unit is equipped with a transport lock lever located on the base.

1. Loosen the screw with a Phillips screwdriver.
 2. Move the lock lever in the direction opposite that shown by the arrow. Move the lever up to the position where it can move no farther, and then remove the lever.
- Tighten the screw to secure the lock lever.
- For shipping, restore the lock lever to its position in the direction of the arrow, then tighten down the screw to secure the lock lever in that position.



3. Transmitter Battery Insertion



- ① Push the battery cover on the rear of the transmitter in the direction of the arrow and lift it up.
- ② Load the two batteries that came with the transmitter or two batteries listed in the table. Load them with the + and - ends facing as shown in the diagram.
- ③ Put the battery cover back in place.

Use of Batteries

- The remote control transmitter is powered by two batteries. Before using this unit for the first time, insert the two batteries (included) as shown in the diagram.
- Average battery life is about one year. This period may be shorter depending on the frequency of use and environment (temperature and humidity) in which the remote control transmitter is used.
- If the remote control transmitter does not operate even though front panel controls function normally, the batteries should be replaced. Use only batteries listed in the following chart.

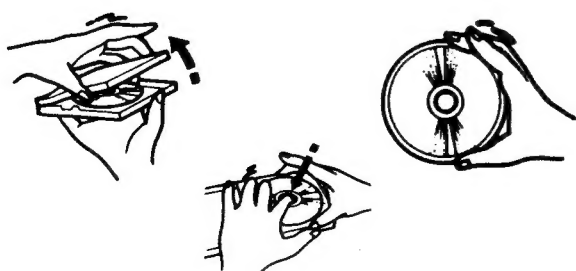
Type	Voltage	Size
Manganese	1.5V	AA R6 UM-3

NOTES:

1. Do not leave an expired battery in the case as it may leak or damage the battery case.
2. When inserting the batteries, be sure the (+) and (-) ends are properly aligned.
3. Do not use nickel-cadmium (rechargeable) batteries.
4. Do not use one specified (manganese) battery and one alkaline battery at the same time.
5. Replace both batteries at once; do not use one old and one new battery together.

Handling Compact Discs

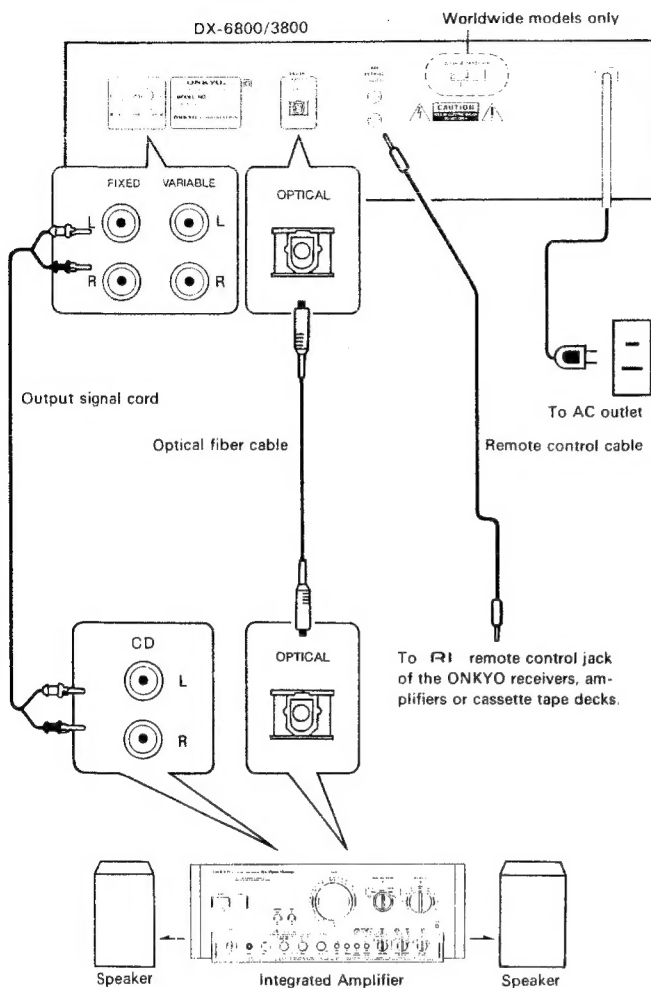
How to open a disc case and remove a disc.



- Always handle compact discs with care so that they are not scratched, soiled or damaged.
- A dry soft cloth may be used to wipe dust, fingerprints, etc off the surface.
- Make absolutely sure not to use any type of volatile agent, such as thinner or benzine. Also avoid using a conventional record cleaner or antistatic agent.
- Avoid placing a disc in direct sunlight, and locations subject to extremely high humidity or low temperature.
- When a disc is going to be left unused for a long period of time, be sure not to leave it in the player but store it in the case.

System connections

- Do not plug in the power cord until all connections have been made.
- This unit has two sets of analog OUTPUT jacks and a DIGITAL OUTPUT jack.



- The upper and lower **RI** remote control jacks have the same function.

Connecting to the analog OUTPUT jacks

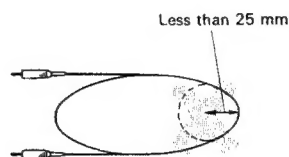
- Connect the OUTPUT jacks of this unit to the AUX or CD input jacks of an amplifier. When making connections, be sure that the left and right channel connections are not crossed.
- This unit is equipped with two OUTPUT jacks, **FIXED** and **VARIABLE**. Use the one that matches your purpose.

Connecting digital signals (DIGITAL OUTPUT)

- This unit has a digital audio interface format digital jacks for optical output.
- For optical output, remove the tip protection tube from the optical fiber cable, then connect as shown in the figure.

NOTES:

- The optical digital output jack has a protective cap. Remove this cap before using this jack. When not using this jack, always put this protective cap back on the jack.
- If you fold the optical fiber cable that comes with this unit or wind it into too tight a loop, you may warp the fiber and cause the performance of the cable to deteriorate. When bundling this cable into loops, the loops must have a diameter of at least 25 mm.



Remote Control jacks

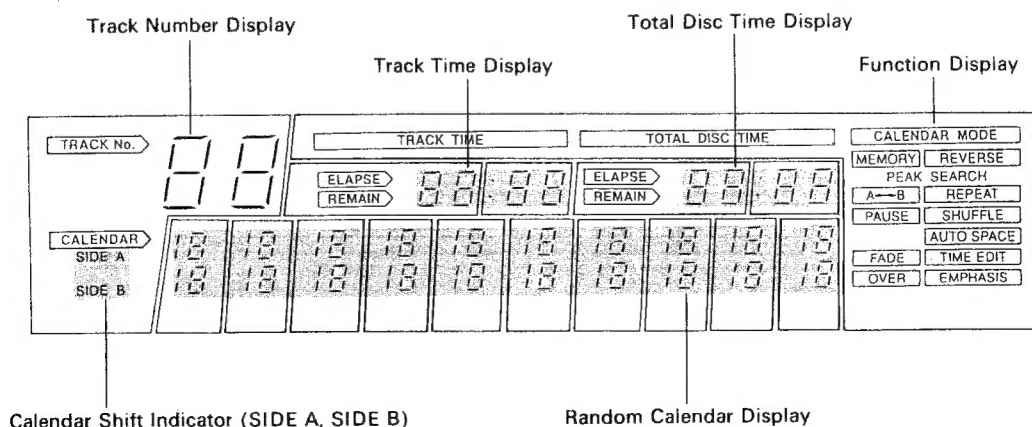
The remote control jacks are used to connect ONKYO products bearing the "RI" mark via the accessory remote control cable. The cassette deck with the "RI" mark can be operated using the RC-177C (RC-176C) remote control transmitter provided as an accessory with the DX-6800 (DX-3800). When this unit is connected with ONKYO receivers or amplifiers bearing the "RI" mark, it can also be controlled by the remote control transmitter of that unit. (Refer to the operating instructions of your stereo receiver or amplifier for details.)

NOTE:

Do not connect the **RI** remote control jack to any unit that does not bear the ONKYO "RI" mark. Doing so may damage the unit.

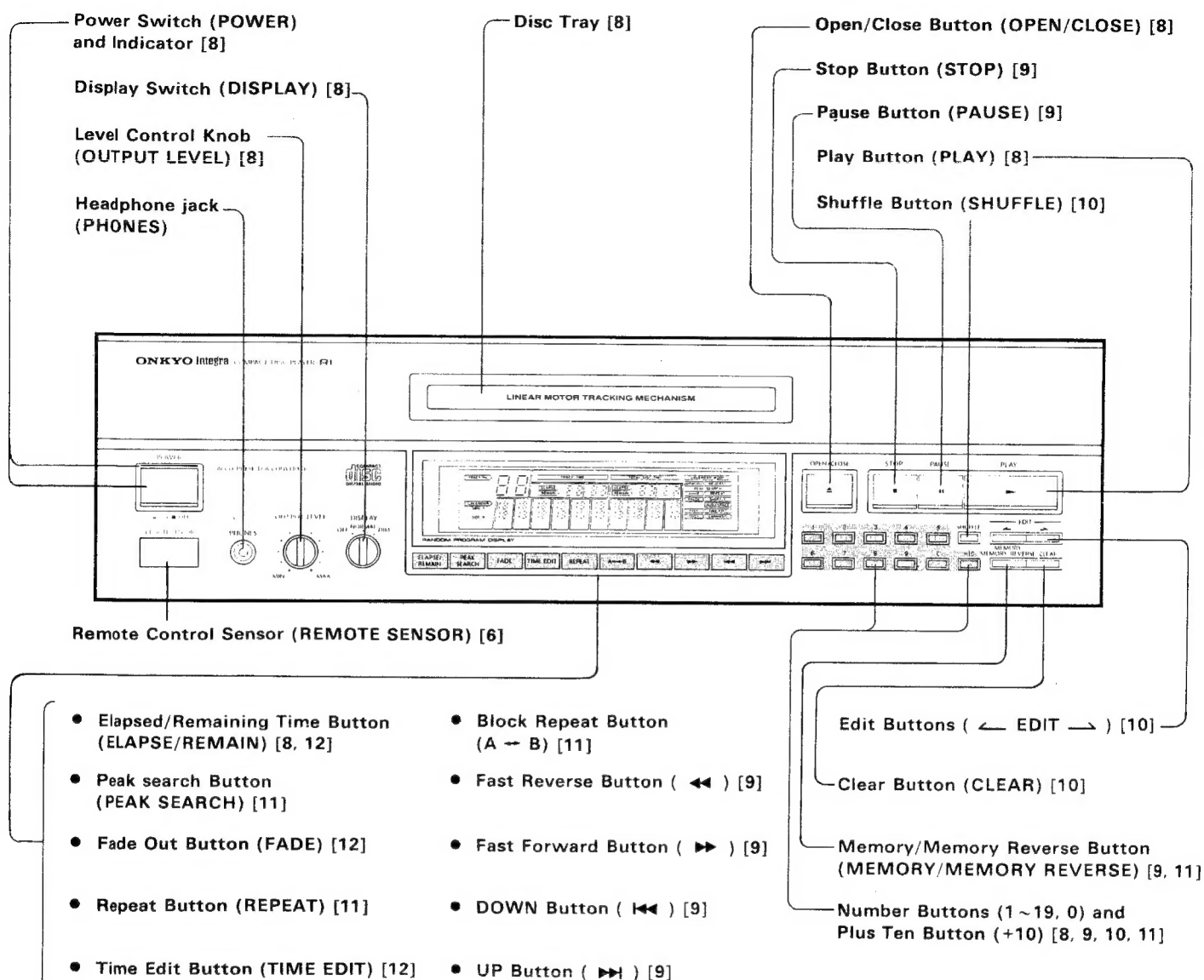
Control positions and names

Display



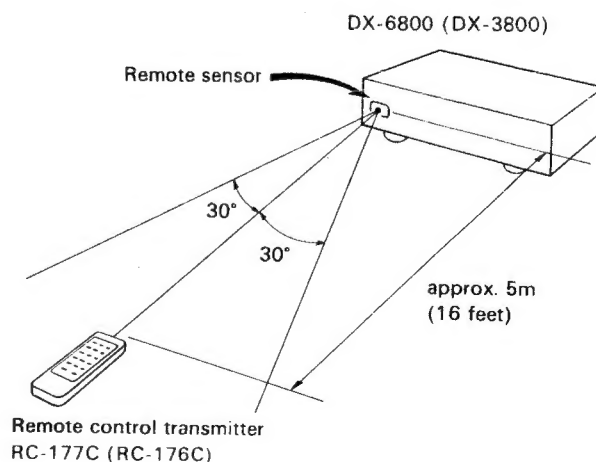
Front panel

For more information about buttons or controls, turn to the page number listed in the [].



Using the remote control transmitter

1. Remove the batteries if the remote control transmitter is not going to be used for a long time.
2. The batteries of the remote control transmitter must be replaced periodically.
3. This unit uses infrared rays. Therefore, commands may not be received properly if the front panel of this unit is exposed to bright light. To prevent this from occurring, place this unit so that it is not directly exposed to bright light.
4. If this unit is placed inside an audio rack behind a glass door, the door should not have colored glass or have any decorations on it, since this could shorten the range or prevent commands from being received.
5. Use of other infrared remote control devices in the same room may cause interference.
6. The transmitter operates up to a distance of about five meters (16 feet). The transmitting window must always be pointed at the reception window when a command is sent to the CD player.
7. If this remote control transmitter does not operate properly, confirm that the batteries are not dead. If the problem persists, contact your ONKYO Service Center.



Remote control transmitter RC-177C (RC-176C)

- Buttons not described below are operated in the same way as the buttons on the main unit.

Open/Close Button () [8]

CD/Tape Operation Buttons

When the CD/TAPE selector switch is on CD. [8, 9]

- : Stop Button
- ▶ : Play Button
- ⏸ : Pause Button
- ◀◀ : Fast Reverse Button
- ▶▶ : Fast Forward Button
- ⏮ : Down Button
- ⏭ : Up Button

When the CD/TAPE selector switch is on Tape

- : Stop Button
- /⏸ : Rec/Pause Button
- ◀◀ : Fast Rewind Button
- ▶▶ : Fast Forward Button
- ◀ : Reverse Play Button
- ▶ : Forward Play Button

Memory/Memory Reverse Button (MEMORY/REVERSE) [9, 11]

Edit Buttons () [10]

Elapsed/Remaining Time Button (ELAPSE/REMAIN) [8, 12]

Repeat Button (REPEAT) [11]

Peak Search Button (PEAK SEARCH) [11] (RC-177C only)

CD/TAPE Selector Switch

This switch should normally be set to the CD side. When a cassette deck bearing the ONKYO "RI" mark is connected to the remote control jacks of the DX-6800 (DX-3800) model, the deck can be controlled by this remote control transmitter. Set the CD/TAPE selector switch to TAPE. At this setting, the 6 functions (from ■ to ▶) listed at left can be operated by remote control.

Shuffle Button (SHUFFLE) [10]

Clear Button (CLEAR) [10]

Number Buttons and Plus Ten Button [8, 9, 10, 11]

Auto Space Button (AUTO SPACE) [7]

Time Edit Button (TIME EDIT) [12]

Volume Control Buttons (VOLUME) [8]

Press button to lower the volume level output from the variable output jacks and headphone output jacks, and press button to increase. It works the same as the OUTPUT LEVEL knob on the DX-6800 (DX-3800).

Fade Out Button (FADE) [12]

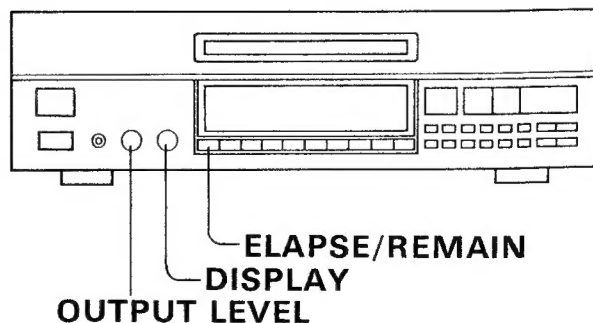
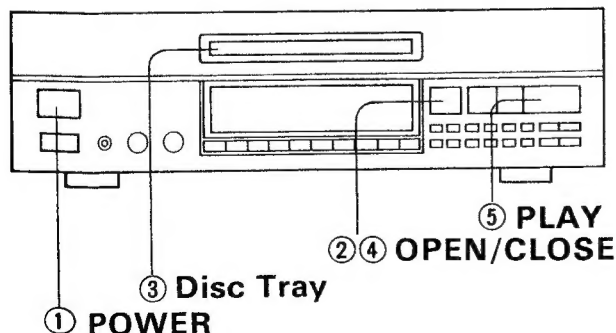
Block Repeat Button (A B) [11] (RC-177C only)

- Remote control transmitter RC-176C is not equipped with the PEAK SEARCH and A B (Block Repeat) buttons. Operate these functions with the buttons on the main unit.

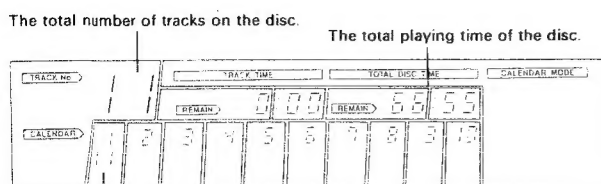
- AUTO SPACE function is activated only by the remote control transmitter. Press the AUTO SPACE Button to switch the auto space function on and off. When the auto space function is operating, the AUTO SPACE indicator lights and a blank space lasting approx. 4 seconds is inserted between tracks.

Common modes of operation

To Load and Play a Disc (Normal Play)

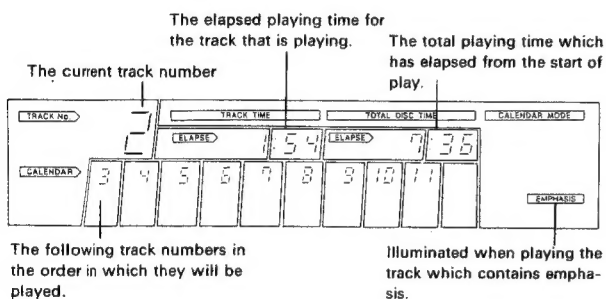


- ① Press the POWER switch to turn on the power.
 - The POWER indicator lights.
- ② Press the OPEN/CLOSE button to open the Disc Tray.
- ③ Put the disc in the Disc Tray with its label facing up.
- ④ Press the OPEN/CLOSE button again to close the disc tray.
 - The disc is ready for play when the following indications appear on the display.



All of the track numbers on the disc light. (When the number of tracks exceeds 20, the OVER indicator lights.)

- If nothing is displayed, this may mean that the disc is in upside down. If that is the case, take out the disc and put it in right side up.
- ⑤ Press the PLAY button.
 - The disc begins playing from the first track.
 - When you put the disc in the disc tray, if you press the PLAY button instead of the OPEN/CLOSE button, the tray is closed automatically and the first track begins to play.



- After a disc is played all the way to the end, the display resets to the initial condition when the disc is loaded.

NOTE:

The DX-6800 (DX-3800) has an auto-play function. If a disc has already been inserted when the power is turned ON, performance will begin automatically.

■ Volume adjustment

Use the OUTPUT LEVEL knob to adjust the output level (VARIABLE) and headphone output level. You can also use the attached remote control transmitter to automatically adjust the level (▼ VOLUME ▲).

■ Changing the display

Press the ELAPSE/REMAIN button to see the elapsed time (ELAPSE) on the TRACK TIME as well as the TOTAL DISC TIME. Press it again to see the remaining time (REMAIN) on both displays.

TRACK TIME

ELAPSE: Displays the elapsed time of the current track.

REMAIN: Displays the remaining time of the current track.

TOTAL DISC TIME

ELAPSE: Displays the total elapsed time from the beginning of play.

REMAIN: Displays the total remaining time until the end of play.

During memory play, this display shows the playing time remaining for the entire sequence of tracks programmed into memory.

NOTES:

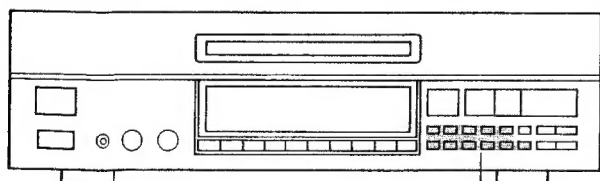
- For a track beyond the 20th, TRACK TIME display shows "—:—".
- If the Total Remaining Time is more than 99 minutes 59 seconds, the TOTAL DISC TIME display shows "—:—".
- If more than 20 track numbers are entered, "—:—:—" is displayed in the TRACK TIME display.

■ Changing the brightness of the display

The DISPLAY switch can be used to change the brightness of the display.

- OFF: Turns the display completely OFF. When carrying out a button operation, the display will appear for a few seconds, then disappear again.
- NORMAL: Normal brightness
- DIM: Dimmer than normal...this can be used when the display is too bright relative to the lighting in the room

To start from a specific track

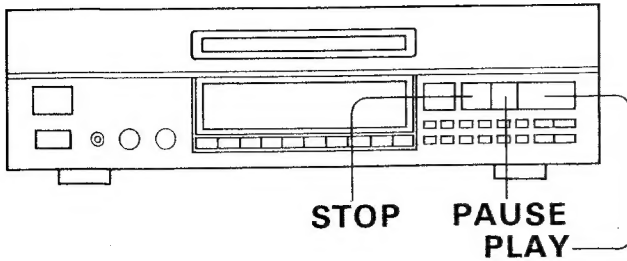


Number Buttons
and +10 Button

Using the Number Buttons to select the desired track (Direct Play).

- Use +10 button to select a track with a track number of 10 or higher. For example, to select Track Number 30, press this button three times, and then press 0.

To stop or pause during playing

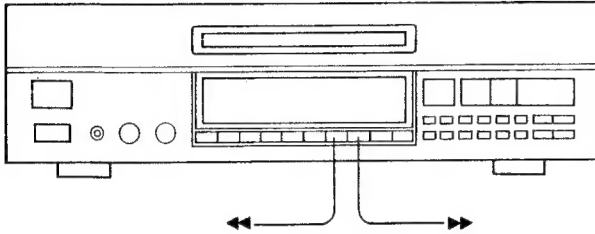


Press the PAUSE button to stop the performance temporarily.

- The Pause Indicator lights and the playing stops temporarily.
- To resume playing, press the PLAY button. The playing starts up again from exactly where it left off.

To stop the playing, press the STOP button.

To move forward or backward quickly during playing.

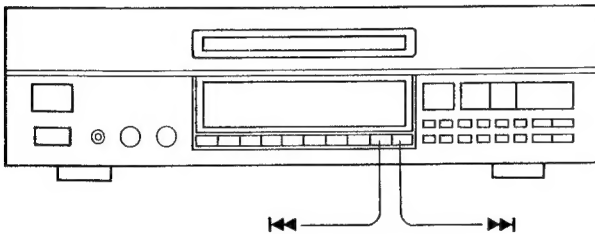


Press the ►► button to fast forward.

Press the ◄◄ button to fast backward.

- The pickup continues to move rapidly forward or backward as long as you hold down the ►► button or ◄◄ button.
- If you fast forward all the way to the end of the disc, the pickup stops.
- During memory play, when the pickup is forwarded to the end of the current track by pressing the ►► button, the pickup comes to the next programmed track and normal playback begins. When the ◄◄ button is pressed, the pickup comes to the beginning of the current track and normal playback begins from this position.

To return to the beginning of the track during playing or to skip to the next track



To skip to the next track, press the ►► button.

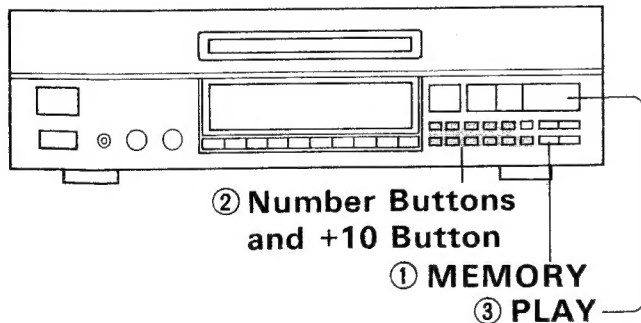
- The playing of the current track is interrupted and the pickup moves to the beginning of the next track. During memory play the pickup moves to the beginning of the next track in memory.
- The pickup moves ahead one track each time you press the ►► button.

To return to the beginning of the track during playing, press the ◄◄ button.

- The playing is interrupted and the pickup moves back to the beginning of the current track.
- If you press the ◄◄ button again before the pickup reaches the beginning of the current track or you press the ◄◄ button twice in a row, the pickup goes to the beginning of the previous track. During memory play the pickup goes to the beginning of the preceding track in memory.

Using the Memory function

To program and play the memory

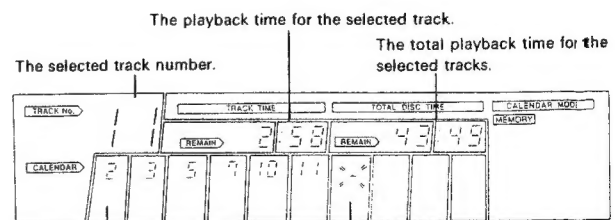


1 Press the MEMORY button.

- The MEMORY indicator lights up and "—" flashes on the Random Calendar display.
- The TRACK TIME display and the TOTAL DISC TIME display give the REMAIN time mode.

2 Select the track you want, using the Number Buttons.

- To continue programming the memory, enter the number of the next track to be programmed. Up to 20 tracks can be programmed in the memory by repeating this step.
- When the tracks are programmed in the order of track number 2, 3, 5, 7, 10 and 11, the player displays as shown below.

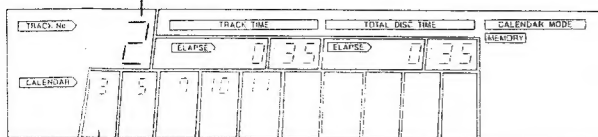


The selected tracks are indicated in playback order. (When the tracks are programmed during the play mode, the programmed track number lights continuously on the Random Calendar display.)

- ③ To listen to the disc from in memory in the programmed order, press the PLAY button.

- Play begins in the programmed order, i.e. beginning with the first track programmed in the Random Calendar.

The number of the track currently being played



The numbers of the tracks to be played are displayed in the order in which they will be played.

- When more than 20 tracks are programmed, the cursor for the Random Calendar display disappears. At this time the indication of the 20th track flashes, and "F" lights for a few seconds to show that no more tracks can be programmed.

If programming is carried out during playback

The track currently being played becomes the first selection in the memory.

- The TRACK No. display, TRACK TIME display, TOTAL DISC TIME display indicate the track currently being played. The Random Calendar display displays the numbers of the programmed tracks one after another.

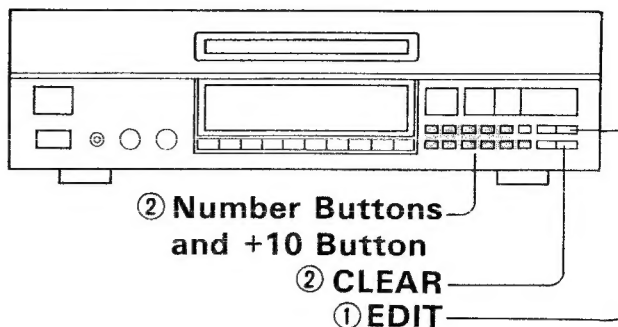
NOTES:

- If the Total Elapsed Time (ELAPSE) for all play, including Memory Repeat mode, exceeds 99 minutes 59 seconds, the TOTAL DISC TIME display starts again from 0:00. Therefore, you can calculate the Total Elapsed Time by adding the new figure to 99 minutes 59 seconds.
- When the total playback time for the programmed tracks exceeds 99 minutes 59 seconds, the TOTAL DISC TIME display shows "— : — : —".

To change the contents of the memory

This function cannot be performed during the play mode. To perform this function, you must first press the STOP button.

Adding and Clearing a track number:



- ① Press the EDIT buttons (\leftarrow EDIT \rightarrow) and select the position in the Random Calendar that you want to change. (The selected number flashes.)
- ② Adding a track number:
With the Number Buttons, select the track that you want to add to the memory. The added track will be memorized under the flashing number, re-registering the previous track under the following number.

Clearing a track number:

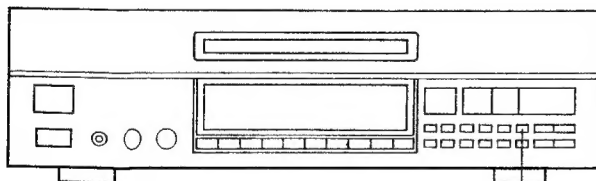
Press the CLEAR button. The track number that is flashing will be cleared and the following track number will replace the eliminated one.

- To delete all the programmed tracks in the memory, press either the MEMORY button or the OPEN/CLOSE button.

NOTES:

- When the EDIT buttons are pressed during the normal stop mode, all the tracks recorded on the disc are memorized and the edit mode is set automatically. (For a disc recorded with more than 21 tracks, only 20 tracks are memorized.)
- To check the number of a track represented in the Random Calendar display by a bar (—), use the EDIT button to illuminate that selection. The track number will appear in the TRACK No. display.
- If the Number Buttons or the CLEAR button was used without using the EDIT button, the selection is added at the end of the memory, or the last TRACK No. of the memory is cancelled. This can be used even during playback.

To playback in random order (Shuffle Play)



SHUFFLE

Press the SHUFFLE button.

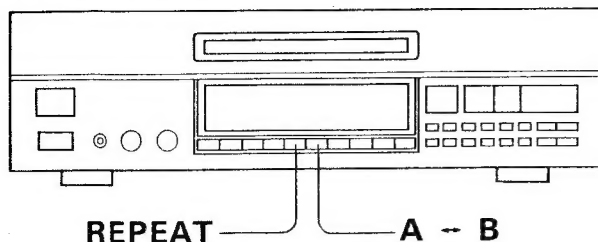
- When this button is pressed, the SHUFFLE indicator lights up. Performance automatically begins.
- This function can be used in memory mode. In this case, the programmed tracks are played at random.

NOTES:

- The SHUFFLE mode will be cancelled when the SHUFFLE button is pressed again, or when all of the tracks have been played back and stopped.

- When you try to search for the start of the specified tune with FF/ER buttons in the SHUFFLE MODE while playing back, operations may not be correct with some discs. Press the SHUFFLE button again to reengage the normal playing condition, then try to search for the required position with the FF/FR buttons.

To listen to the tracks or specified blocks over and over



■ Repeating performance of the disc being used

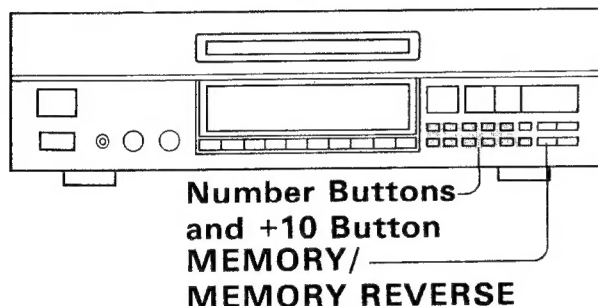
Press the REPEAT button. (You can press this button before playing begins or in the middle of playing.)

- The REPEAT indicator lights and when the playing reaches the end of the disc, it starts again from the first track.
- During memory when the performance reaches the end of the sequence of tracks programmed into memory it repeats that sequence.

Special modes of operation

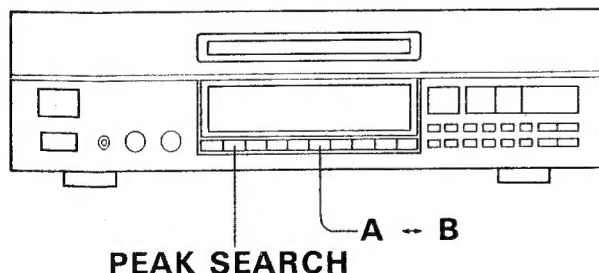
Using the Memory Reverse Function

This function excludes the tracks from the memory, and programs other tracks on the disc. For example, if 10 out of 15 tracks on the disc are to be programmed in the memory, five unwanted tracks can be excluded, instead of programming 10 other tracks. The function is not activated during playback.



1. Press the MEMORY button. (MEMORY indicator will light.)
2. Program unwanted tracks by pressing the corresponding number buttons.
3. Press the MEMORY button again. (The REVERSE indicator, as well as the MEMORY indicator, will light.)

This function searches for the peak volume through the disc. (PEAK SEARCH)



1. Press the PEAK SEARCH button.
 - The player checks the disc for level. The PEAK SEARCH indicator will flash during this operation. After checking, the indicator will light.
2. Press the A ↔ B button.
 - The A ↔ B indicator will light.
3. Press the PLAY button.
 - Part of the track with the largest volume on the disc will be played repeatedly for 6 seconds.

■ Repeating the block specified (Block Repeat)

To set the beginning and ending points of the block, press the A ↔ B button during playing. Press once at the beginning of the block repeat (point A) (block repeat indicator (A ↔ B) flashes) and once again at the end of the block repeat (point B) (block repeat indicator remains lit). The section between A and B is played repeatedly. The ending point must be at a disc location after the starting point.

To cancel the block repeat, press the A ↔ B button once more. Disc play will then continue until the end of the disc.

NOTE:

It is not possible to use the block repeat function during memory play and shuffle play.

4. The tracks which have not been programmed will be memorized in numerical order automatically, and the Calender will display these numbers:

- If there are more than 20 tracks which have not been programmed, as many as 20 tracks will be memorized from the smaller number.
- If no tracks have been programmed or if all the tracks have been programmed, TRCK TIME and TOTAL DISK TIME will indicate "—:—", which indicates that the memory mode is cancelled.
- To cancel the Memory Reverse mode, press the MEMORY button again. The first time the MEMORY button is pressed the MEMORY mode is initiated, the second time switches to MEMORY REVERSE and the third time cancels the memory mode.

NOTE:

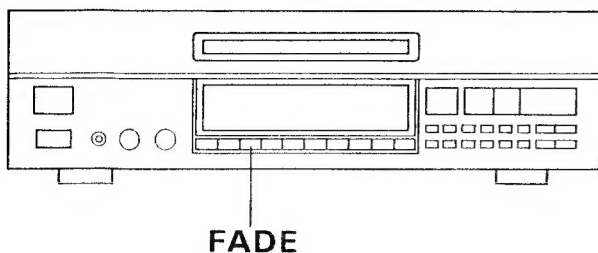
Pressing the CLEAR button to cancel the Memory Reverse mode may cause all control buttons to stop working (and incorrect information to appear on the display). Should this happen, turn the power off immediately. After turning power back on, repeat the desired operation, following the operating instructions closely.

- Refer to this level when recording the disc onto the cassette tape.
4. Press the STOP button to stop performance. Repeat steps 2 and 3 to adjust the level again.
 - This level is memorized until the OPEN/CLOSE button is pressed or the power is turned off.
 - Pressing the PEAK SEARCH button will turn off the indicator and the level will be released from the memory.
 - Pressing the A ↔ B button after pressing the PLAY button for performance will start the A ↔ B repeat operation.

Depending on the disc in play, memorizing of a level which is different from the maximum audible level could occur. This is due to the CD player's microprocessor memorizing inaccurate information because of flaws in the disc itself, or recording conditions. Under such circumstances, the recording level for the cassette tape may be entirely low, or else distortion or similar symptoms could arise on account of excessively high signal inputs. To avoid this, be sure to reset the recording level of the cassette deck in accordance with the symptoms.

Using the Fade Out Function (FADE)

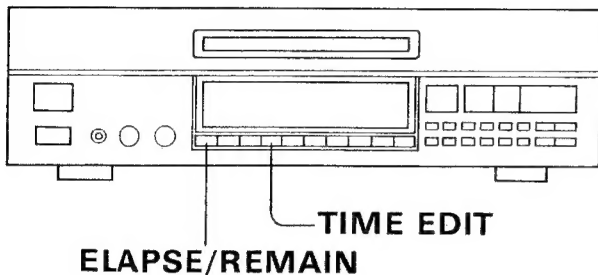
This function gradually decreases the volume. Set the volume knob to the maximum level first.



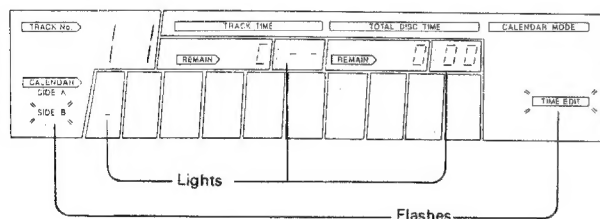
1. Press the FADE button during performance.
 - Volume will decrease, with the FADE indicator flashing.
 - The volume becomes minimum in approx. 10 seconds, and the performance will be stopped.
 - This function is effective on the PHONES or VARIABLE terminals.

Using the Time Edit Function

- This function is convenient for recording and editing tapes.
- Stop the playback, and cancel the memory, if necessary.



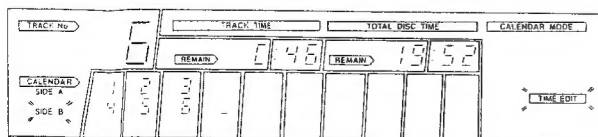
1. Press the TIME EDIT button.
 - TIME EDIT and SIDE-B indicators will flash and the TRACK TIME will display C: —.



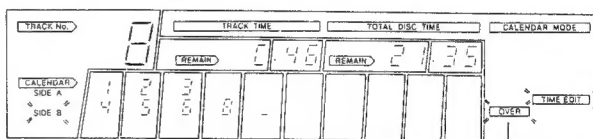
2. Specify the tape length on the "C: —" section using the +10 button and the Number buttons. For example, to input "46", press the +10 button 4 times and then press the Number button "6".

Press the CLEAR button and start the procedure from the beginning when the tape size has been input by mistake. Pressing the ►► or ◀◀ button will carry out adjustment by one minute.

- Automatic calculation of the number of tracks entered on the A and B sides begins. The order is the order in which the tracks are entered on the disc.
- After calculating the recording track times, the last track on A and B sides is indicated on the TRACK TIME display and the total playback time for both side A and side B is indicated on the TOTAL DISC TIME display.
- If more than 11 tracks are recorded on one side, the numbers of tracks after 12 tracks will not be displayed on the Calendar, but they will be played back. TOTAL DISC TIME will display all of the track numbers.



3. The contents of the time edit can be checked by pressing the ELAPSE/REMAIN button. When the SIDE A on the Random Calendar indicator flashes, the contents of side A can be checked; when SIDE B flashes, the contents of side B can be checked.
 - When you want to add tracks, select one from either side by pressing the ELAPSE/REMAIN button and add the tracks at the position highlighted with the cursor. If no other tracks will fit on the tape, the OVER indicator will flash 3 - 4 times, indicating that no more tracks can be added.



The indicator is turned off after flashing several times.

- Press the TIME EDIT button again to minimize the empty space on the tape. The TIME EDIT indicator will light and the micro computer will automatically arrange the order of the tracks. A total of up to 20 tracks can be recorded on side A and B. If a long tape is used, empty space may be left even after 20 tracks have been recorded. Checking the tape size and TOTAL DISC TIME, and utilizing this function will optimize the edit conditions.
4. Press the PLAY button.

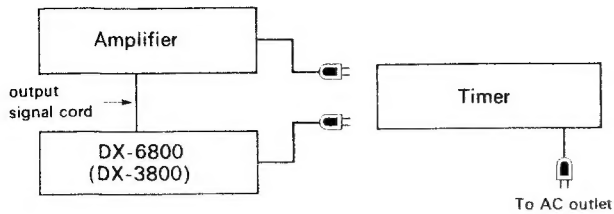
When playback of the last track on side A is completed, the pause mode is set automatically.

 - Press the PLAY button to start playback again. The pause mode is canceled and side B plays.
 - The display on the Calendar will not change during playback of TIME EDIT.
 - TIME EDIT will be cancelled when recording on both sides has been finished or the STOP button is pressed.

NOTES:

- The time edit mode does not function for discs with more than 20 tracks recorded on them, or when the first track is longer than half of the indicated time.
- During time edit play, buttons other than STOP, OPEN/CLOSE, DISPLAY and AUTO SPACE (only remote control transmitter) buttons cannot be used for input.

Using the timer during performance



If you have an audio timer, it can be used to start a performance at any time you desire.

- ① Turn on the DX-6800 (DX-3800) and the amp which is connected to the DX-6800 (DX-3800).
- ② Insert a compact disc into the DX-6800 (DX-3800) disc tray.
- ③ Set the time on the timer.
 - For more details, please consult the section which explains the operations of the timer.
 - When the time specified arrives, the CD player's auto-play function will begin the performance automatically.

Troubleshooting guide

Trouble	Cause	Remedy
Power switch is pressed but power does not come on.	<ul style="list-style-type: none"> • Power cord plug is not properly connected to AC outlet. 	<ul style="list-style-type: none"> • Insert plug firmly.
Disc loaded but play does not begin.	<ul style="list-style-type: none"> • Disc is loaded upside-down. • Disc is dirty. • Dew on pickup. 	<ul style="list-style-type: none"> • Load disc with the label side facing upward. • Clean the disc. • Place unit in warm place for about one hour.
No sound.	<ul style="list-style-type: none"> • Incomplete connections. • Improper input selector switch setting on amplifier. 	<ul style="list-style-type: none"> • Insert all plugs firmly in jacks. • Set switch to proper position.
Skipping.	<ul style="list-style-type: none"> • Disc is dirty. • Disc is scratched. • Unit has been exposed to a strong bump. 	<ul style="list-style-type: none"> • Clean the disc. • Use another disc. • Place the unit in a more stable location.
Search time (when moving to a specific track) is extremely long.	<ul style="list-style-type: none"> • Disc is dirty. • Disc is scratched. 	<ul style="list-style-type: none"> • Clean the disc. • Use another disc.
Track numbers cannot be stored in the memory.	<ul style="list-style-type: none"> • A track number not on the disc is being used. 	<ul style="list-style-type: none"> • Use only track numbers on the disc.

Specifications

Compact Disc Player

Model DX-6800

Signal readout system: Optical non-contact
 Reading rotation: About 500–200 r.p.m. (constant linear velocity)
 Linear velocity: 1.2–1.4 m/s
 Error correction system: Cross interleave Reed Solomon code
 D/A converter: 1 BIT PWM × 2 Accu Pulse Quarz System
 Sampling frequency: 352.8 kHz (eight-times oversampling)
 Number of channels: 2 (stereo)
 Frequency response: 2 Hz–20 kHz
 Total harmonic distortion: 0.0025% (at 1 kHz)
 Dynamic range: 100 dB
 Signal to noise ratio: 110 dB
 Channel separation: 100 dB (at 1 kHz)
 Wow and Flutter: Below threshold of measurability
 Output level: 2 volts r.m.s.

Power consumption: 25 watts
 Power supply rating: U.K. and Australian models: AC 240V, 50Hz
 European model: AC 220V, 50Hz (Except U.K.)
 USA & Canadian models: AC 120V, 60Hz
 Worldwide model: AC 120V and 220V switchable 50/60Hz

Dimensions (W × H × D): 435 × 132 × 358 mm
 17-1/8" × 5-3/8" × 14-1/8"
 Weight: 8.8 kg, 19.4 lbs.

Supplied accessories:

- Output signal cord
- Optical fiber cable
- Remote control transmitter RC-177C
- UM-3/R6/AA
- **RI** remote control cable

DX-3800

Optical non-contact
 About 500–200 r.p.m. (constant linear velocity)
 1.2–1.4 m/s
 Cross interleave Reed Solomon code
 1 BIT PWM × 2 Accu Pulse Quarz System
 352.8 kHz (eight-times oversampling)
 2 (stereo)
 2 Hz–20 kHz
 0.0025% (at 1 kHz)
 100 dB
 110 dB
 100 dB (at 1 kHz)
 Below threshold of measurability
 2 volts r.m.s.

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Specifications and external appearance are subject to change without notice because of product improvements.